DGS-3324SR

Managed Stackable Layer 3 24-Port 10/100/1000Mpbs with (4) Combo SFP Ports & Integrated 10Gig Stacking

DGS-3324SR

FEATURES

High Performance Switching:
-Integrated Dual 10Gig Stacking Ports
-Recoverable Ring Stacking Architecture
-Stack Up to 10 Units Per Stack
-Optional Redundant Power
-802.3ad (Link Aggregation)
-802.3w (Rapid Spanning Tree)
-RIP[1]v1/v2, OSPF[1] & DVMRP[1]

Network Management:
-Console
-Telnet
-SNMPv1/v2/v3
-RMON (4 Groups)
-Web
-Port Mirroring
-Syslog
-Single IP Address Management

Advanced Standards Based Enterprise Features:
-802.1p Priority (8 Queues)
-DiffServ QoS
-802.1x (Port Based Control)
-802.1x (MAC Based Control)[2]
-802.1q VLANs (Up to 255 Groups)
-IGMP Snooping

[1] DGS-3224SR Owners Can Upgrade Their Units To DGS-3324SRs By Installing a Firmware Upgrade
[2] This Feature Will Be Supported Via A Future Firmware Upgrade

The DGS-3324SR is the first in a new series of "Next Generation" high performance stackables from D-Link Systems. The DGS-3324SR blends many features typically found in more expensive chassis based solutions, (high density, hot swap, redundant power options, and high performance) with the price and flexibility of a stackable.

Performance

The DGS-3324SR is a Layer 3, (24) port managed 10/100/1000Mbps with (4) combo ports supporting SFP modules. The DGS-3324SR has an 80Gbps switch fabric and supports dual integrated 10Gigabit-stacking ports for up to 40Gbps of full-duplex stacking bandwidth.

High Availability

The architecture of the DGS-3324SR and DES-3352SR supports stacking of up to 10 units in any combination using the integrated rear 10Gig stacking ports in a "Fail-Safe Ring" configuration. Each unit also supports D-Link's optional Redundant Power option, the DPS-500. Other features include support for 802.3ad (Link Aggregation), 802.3d (Spanning Tree), and 802.3w (Rapid Spanning Tree) for increased network reliability and availability.

Network Management

The DGS-3324SR and DES-3352SR support a variety of network management options including: console CLI, telnet, web, SNMPv1/v2/v3, RMON, TFTP, Port Mirroring, BootP, and DHCP. The DGS-3324SR also supports a variety of advanced traffic management options including: 802.1x, Bandwidth Control, Broadcast Rate Limiting, and support for IGMP Snooping v1/v2 .

Advanced Enterprise Features

The DGS-3324SR implements a robust and consistent set of QoS/CoS, VLAN, and Security features. The DGS-3324SR and DES-3352SR switches support 8 priority queues for 802.1p/TOS/DiffServ, with classification and marking based on MAC SA/DA, IP SA/DA, and/or TCP/UDP port numbers. Layer 3 dynamic routing protocols include: RIPv1/v2[1], OSPFv2[1], and DVMRP[1]. DGS-3224SR users can upgrade their units to DGS-3324SRs by a simple installation of a new firmware upgrade available at http//:support.dlink.com. Security features of the DGS-3324SR include: 802.1x (port based authentication) 802.1x (MAC based authentication)[2], Access Control Lists based on MAC address, IP address, and/or TCP/UDP port numbers. The DGS-3324SR also has extensive support for GARP/GVRP, 802.1q, and port based VLANs for up to 255 groups per device.

The DGS-3324SR and DES-3352SR switches are the latest examples of D-Link Systems' continued commitment to our channel partners and customers to be the industry leader in delivering affordable, reliable, high performance, feature rich switches.

For more information, please contact your D-Link authorized reseller or visit us at http://www.dlink.com. For the latest firmware updates, product manuals, and support information, please visit http://support.dlink.com. Authorized D-Link business partners should visit our exclusive partner site at http://partners.dlink.com.

Product Data Sheet

D-Link® Building Networks for People

DGS-3324SR

Managed Stackable Layer 3 (24) Port 10/100/1000 Switch with (4) combo SFP/mini-GBICs
High Performance 80Gbps Switching Capacity with Integrated Dual 10Gig Stacking Ports

Technical Specifications

Product/Performance Specifications	
DGS-3324SR	(24) Ports 10/100/1000BASE-T with (4) combo SFP/mini-GBICs
Max Units In A Stack	10 Units Per Stack (Fail-Safe-Ring Mode)
MAC Address Table Size	16,000
Switch Fabric	80Gbps Capacity
Transmission Method	Store-and-Forward
VLANs	Supports Up To 255 VLAN Groups (Port Based/802.1p/GARP/GVRP)
Integrated Stacking Ports	2 Ports - Each Supporting Up To 20Gbps (Full Duplex)
QoS/CoS	8 Hardware Queues (802.1p/TOS/DiffServ) - Strict Priority or Weight Round Robin Queue Scheduling
Classification QoS/ACLs	MAC Address, IP Address, and/or TCP/UDP Port Number
Supported Routing Protocols[1]	Static Routes, RIPv1/v2, OSPF, and DVMRP
Interface Options	
RJ-45	10BASE-T, 100BASE-TX & 1000BASE-T
SFP/mini-GBIC	Supports Standard Small Form-Factor Pluggable Gigabit Transceivers
Stacking Ports	Dual 10Gigabit-Stacking Ports
RPSU	Redundant Power Option Via Optional DPS-500
Network Management	
In Band & Out of Band	Telnet, CLI/Console, RMON, Web-based HTTP, SNMPv1/v2/v3, Syslog, Port Mirroring
Configuration	TFTP Client, BootP Client, and DHCP Client
Network Protocol and Standards	
IEEE	802.3 Ethernet, 802.3u Fast Ethernet, 802.3ab Gigabit Ethernet, 802.3z Gigabit Ethernet, 802.1d Spanning Tree, 802.1w Rapid Spanning Tree, 802.1p Priority Tags, 802.1q VLANs, 802.1ad Link Aggregation Control, 802.3x Flow Control, 802.1x Port Based Network Access Control, and 802.1x MAC Based Network Access Control[2]
IEFT	RFC 1157 SNMP, RFC 1112/2236 IGMPv1/2, RFC 1757 RMON (4 Groups), RFC 1493 Bridge MIB, RFC 1213 MIB II, RFC 793 TCP, RFC 826 ARP, RFC 854 Telnet, RFC 1850 OSPF, and DiffServ
Electrical & Electrical Emissions	
Emissions	CE Mark & FCC Class A
Power Supply	100-120, 200-240VAC, 50/60 Hz Internal Universal Power
Safety Agency Certifications	
Safety	CSA International
Physical and Environmental	
Dimensions (WxDxH)	441 x 207 x 44 mm (17.36 x 8.15 x 1.73 inches) 19-inch rack-mount width, 1.0U height
Weight	TBD
Temperature	Operating: 0° - 40° C (32° - 104° F)
Storage	-25° - 55° C (-13° - 131° F)
Humidity	Operating: 5% to 95% RH, Non-Condensing
Warranty and Support Information	
Warranty	Limited Lifetime Warranty for as long as the original customer/end user owns the product, or five years after product discontinuance, whichever occurs first (excluding power supplies and fans). Power supplies and fans carry a limited 3 year warranty.
Support	Free Technical Support

Ordering Information

Part Number	***Description***
DGS-3324SR	Managed Stackable Layer 3 Switch- (24) 10/100/1000Mbps with (4) Combo SFP Slots and 50cm Stacking Cable
DPS-500	Optional RPSU Unit (Supports One Device)
DPS-900	Optional RPSU Rack Mount Chassis
DEM-310GT	1000BASE-LX SFP/mini-GBIC Up to 10km (Singlemode) or Up To 550m (Mulitmode)
DEM-311GT	1000BASE-SX SFP/mini-GBIC Up to 220m (Multimode)
DEM-312GT2	1000BASE-SX+ SFP/mini-GBIC Up to 2km (Multimode) {Requires: DEM-310GM2/DEM-312GT2}
DEM-314GT	1000BASE-LX SFP/mini-GBIC Up to 50km (Singlemode)
DEM-315GT	1000BASE-LX SFP/mini-GBIC Up to 80km (Singlemode)
DEM-CB50	Spare 50cm 10Gig Stacking Cable
DEM-CB100	100cm 10Gig Stacking Cable (Maybe Required When Stacking More Than 5 Units In A Stack

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